



Maryland Department of Environment
Water Management Administration
Compliance Program
1800 Washington Blvd, Baltimore MD 21230
Cambridge Office (410) 901-4020

Field Inspection Report by: Michele Burroughs

Permit / Approval Numbers: DP-2530/MD0021091

Inspection Date: April 23, 2010

Facility Address: 7206 National Seashore Lane, Berlin, MD 21811

Site Name: Assateague Island-National
Seashore HQ WWTP

Site Status: ACTIVE

Site Condition: Corrections Needed

Inspection Type: Compliance Evaluation Inspection

Recommended Action: Continue Routine Inspections

Contact(s):
<NO DATA FOUND>

Evidence Collected: Visual Observation

Inspection Reason: Routine Scheduled

INSPECTION FINDINGS

Mr. Steve Main called and left a voice message stating that the new wastewater treatment system was up and running. A site inspection found the facility operational. The system consists of bar screen, followed by an equalization tank, an aerobic tank, anoxic tanks, and a reaeration tank. The anoxic tank appeared to have a healthy floc. The effluent is treated with 4 Berghof ultrafilters. The permeate from the ultrafilters is disinfected with 2 UV units, followed by a 2000 gallon vertical holding tank. The permeate reuse tank was approximately 60% full at the time of the inspection and the facility was not discharging. The run hours on the UV unit 1 was 1757.9 hours and the run hours on UV unit 2 was 2738.5 hours at the time of the inspection. The facility also has a 500 gallon cone-bottomed CIPT cleaning tank. The facility is adding 25% caustic soda to the anoxic tank. The anoxic tank had a dissolved oxygen concentration of 2.029 mg/l, and the pH was 7.3 s.u.. The flow meter output read 56384.42 minutes.

During an earlier inspection, Mr. Main mentioned the intent to use the disinfected permeate from the system to flush the toilets in the visitors center. Mr. Main is requested to submit a proposal for review including the quality and quantity of the brown water to be used for toilet flushing, and the approved plumbing change to accommodate this water reuse to MDE, Water Management Administration, Attn: Dr. Tien. MDE is reviewing proposals on a case by case basis in accordance with the best practices including water reuse criteria proposed in the draft Phase II Water reuse regulations.

Inspector: _____
Michele Burroughs

Received by: _____